

wherein the at least one polymeric additive is a processing aid which aids in the conversion of the matrix resins, under conditions of heat and shear, to a molten plastic.

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19. The additive system of claim 18 wherein the processing aid is a lubricating processing aid.

20. The additive system of claim 18 wherein the processing aid is a single stage or multi-stage polymer.

21. The additive system of claim 18 wherein the processing aid does not contain a hard outer shell.

22. The additive system of claim 18 further comprising at least one polymerization adjuvant.

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23. The additive system of claim 18 further comprising one or more other ingredients commonly used in matrix resin blends selected from the group consisting of plasticizers, UV stabilizers, lubricants, waxes, pigments, toners, rheology modifiers, flame retardants, thermal stabilizers, antiozonants, fillers, mold release agents, and hollow spheres

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24. An aqueous additive system for direct addition to polymeric matrix resins comprising at least one polymeric additive selected from

- i) polymers comprising, as polymerized units, alkyl acrylates;
- ii) polymers comprising, as polymerized units, alkyl (meth)acrylates;

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iii) polymers comprising, as polymerized units, 1,3-dienes;

iv) polymers comprising, as polymerized units, aromatic vinyl monomers;

v) polymers comprising, as polymerized units, acrylonitrile;

wherein the polymeric additive is present in amounts from 5 to 70 percent by weight of the additive system,

wherein the at least one polymeric additive is an impact modifier which improves the impact strength of the polymeric matrix resins, and

wherein the polymeric matrix resin comprises polymerized units of vinyl chloride.

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25. The additive system of claim 24 wherein the impact modifier is not isolatable as a powder.

26. The additive system of claim 24 wherein the impact modifier is isolatable as a powder.

27. The additive system of claim 24 wherein the impact modifier is an AIM or MBS impact modifier.

28. The additive system of claim 24 wherein the impact modifier is an AIM impact modifier containing from 90 to 100 weight percent of a butyl acrylate core polymer.

29. The additive system of claim 24 wherein the impact modifier does not contain a hard shell.